

Question

Regarding, d-08.3(4), could you give a bit more detailed explanation about the necessity (or rationale) of this activity and challenges to be addressed through this, preferably together with concrete example(s)? Will this standardization require additional actions to Members or instrument/communication companies in future?

Answer

Answering the question from Atsushi Goto on the first-mile standardisation. We know that there is proliferation of systems and software due to the various standards used in the transmission of data from the stations to the collection point. The aim is to provide standards and decrease the complexity of systems in the first-mile. This will not be mandatory for Members, but it will provide an option to procure interoperable systems.

Question

I am just wondering that many of Members perhaps optimize their "first-mile" part of observation and communication system by adapting their circumstances, so it would be difficult to imagine the benefit of this kind of standardization. I understand that this standardization provides a (good) example in designing their system.

Answer

the conclusion of the WMO/HMEI workshop on this topic was that standardization will help those Members who are operating data collection systems / observing networks from multiple suppliers. Today, these are often incompatible, requiring NMHSs to run multiple systems and/or write their own data integration software to combine all the observations from different systems. Note that the standardization proposed only covers data transmission from sensors/platforms. We are not trying to standardize the "control flow" that is used to configure and manage sensors/platforms.

The rationale is given in the INF document - it does a reasonable job of defining the context of the problem and how to suggest moving forward. It doesn't cover technical details - we tried to keep the paper to just a few pages!

First-mile data collection workshop site <https://wmo.int/events/workshop/wmo-workshop-standardization-of-first-mile-data-collection-from-automatic-observing-stations-and>

Question

Can I have the link to the recorded version of this presentation? thank you

Could we (Turkiye) include a training about wis2.0?

is there going to be manual for WIS 2.0 header for each observation such as surface, aviation or upper air?

Will the proposed workshops about WIS2 in 2024 & 2025 also be available online?

Answer

We are providing training materials online <https://training.wis2box.wis.wmo.int>. We are thinking of providing other online materials, but providing the training online is not in the plan yet. The trainings are practical training using a specific environment to help the participants to install and configure a wis2box

Question

What role should RTHs play in the implementation of WIS2 in their areas of responsibility during the transition phase?

Answer

The RTHs will continue operating their systems until all the National Centres in their AoR are migrated to WIS2. Then they can stop their GTS systems when they complete the migration to WIS2

Question

I have two questions for the Draft Resolution for WIS2guide. 1. It is included in the list to be approved without debate. While the WIS2 guide is a big step for us, could you tell me your idea why it will be without debate on INFCOM-3? 2. We are planning to implement WIS2 pre-operational phase through 2024 even after INFCOM-3. My question is for our plan how to reflect outcomes of the pre-operational phase into the wis2guide.

Answer

The guide to WIS is a big document, for time saving it will be approved without debate. However if there are requests from members to be discussed, it will be.

Please watch the video on WIS2 for a visual view of how WIS2 works <https://vimeo.com/761382308>

Question

Will data from WIS1/GTS be published on WIS2 as bulletins or as atomic BUFRRs?

Answer

ata from WIS1/GTS will be published to WIS2 as single BUFRRs; one file per BUFRR

Question

What about the regional Networks like the RMDCN in Region 6? WIS 2.0 is going to utilize the privat Internet and therefore the users for RMDCN will steadily decrease, which will very likely have an influence to the remaining, contracting States.

Answer

ECMWF Council has decided to terminate the contract at the end of 2026 (for the basic package) and to give an extra two years for the Members, if needed.

Question

Kindly share link of the open source wis2 software

Answer

<https://github.com/wmo-im/wis2box> , documentation can be found at <https://docs.wis2box.wis.wmo.int>

Question

Going for commercial software as the final solution might be hard. Just providing the synoptic data regularly seems difficult, then subscriptions for the software might be even more difficult. Why can't the software be a WMO software?

Answer

It can be the open source software wis2 in a box. The potential challenge is installing and running the software. This is where we are working with HMEI so that commercial company may decide to provide support and help on this software. It's also worth noting that your GISC may also be able to provide some support and help with running wis2box ... depending on whether your GISC has familiarity with the wis2box software